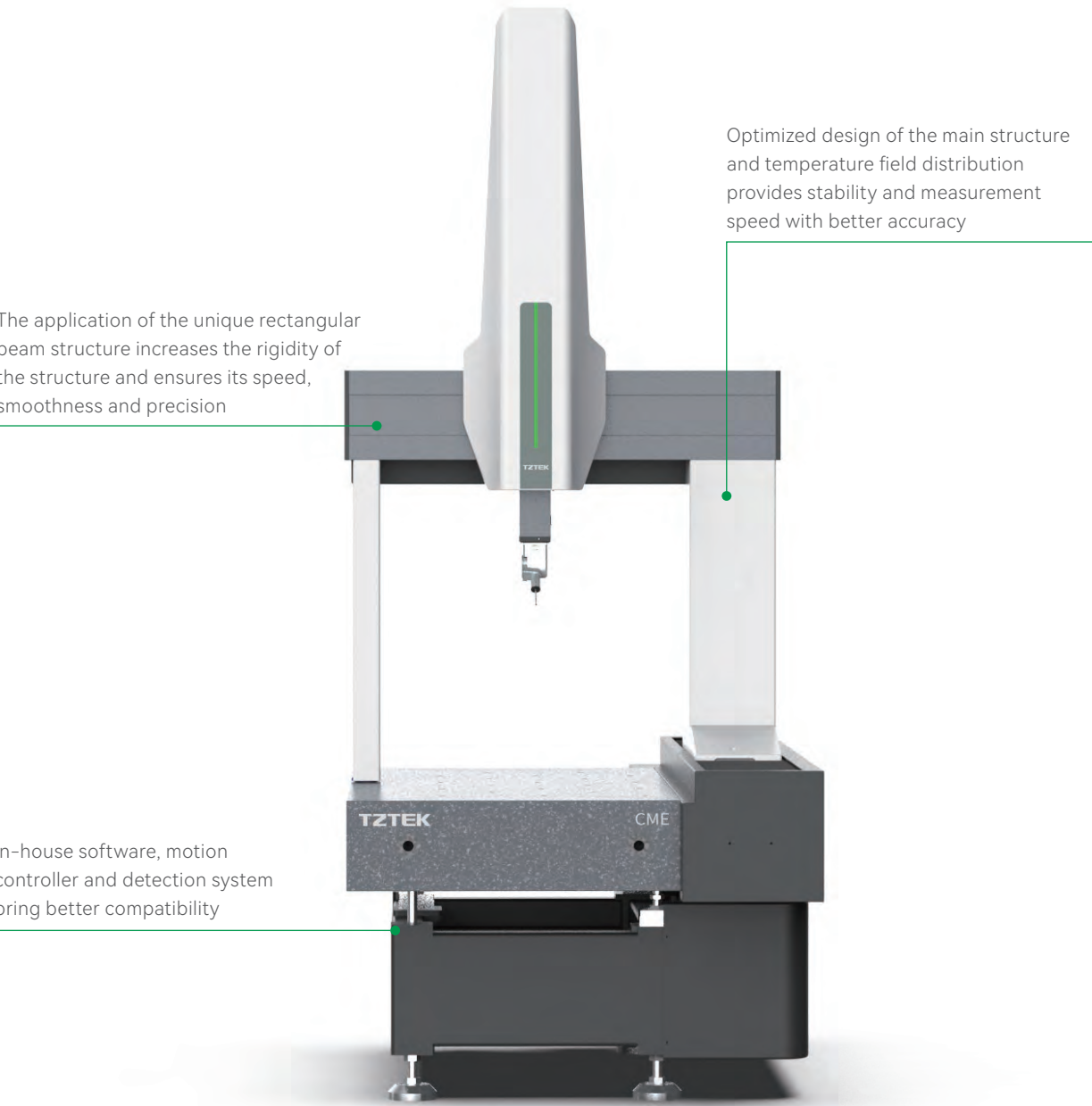


Economic Coordinate Measuring Machine

Universal production-oriented CMM of CME series is designed to meet the needs of users for measuring three-dimensional dimensions. With advantages of high precision, versatility, automation and high flexibility, it provides stable and efficient measurement solutions for production sites and R&D centers.

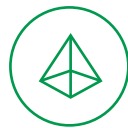


Product features



Classical structure

The classic mobile bridge structure is simple and compact with good openness and fast movement speed, providing measurement with high efficiency and high precision.



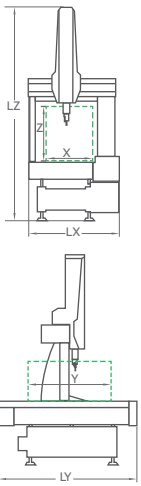
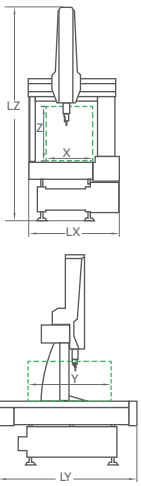
High stability

- High-rigid high-performance air-bearing guide brings neither friction nor wear or tear, and the three axes designed in an enveloping structure effectively ensure its stability.
- Application of a high-resolution coefficient scale for the three axes ensures high accuracy.



Driving mode

The three axes are driven by servo motors. The motors are arranged at the far end of all axes, effectively avoiding the effect of heat arising from their operation on the local temperature of the measuring machine.

Model	Stroke range(mm)				Overall dimension(mm)			Main machine weight(kg)	Max. Load (kg)	Vector motion velocity (mm/s)	Vector motion acceleration (mm/s²)
	X	Y	Z		LX	LY	LZ				
06.08.06	600	800	600		1150	1800	2725	1420	550	520	1730
08.10.06	800	1000	600		1350	2000	2725	1810	550	520	1730
10.12.08	1000	1200	800		1676	2273	3130	2700	1500	520	1730
10.15.08	1000	1500	800		1676	2573	3130	3100	1700	520	1730
10.20.08	1000	2000	800		1676	3073	3130	4000	1800	520	1730
12.15.10	1200	1500	1000		1876	2773	3600	4100	1850	450	1200
12.22.10	1200	2200	1000		1876	3273	3600	5800	2300	450	1200

Length measurement error MPE (E0) (μm)	Single stylus form probing error MPE (PFTU) (μm)
From 1.9+L/300	From 1.9

Precision index: According to CMM calibration standard: JJF 1064-2010 (ISO 10360-2:2009, ISO 10360-5:2010)

Temperature requirements for measuring machine room		Power requirement	
Room temperature (temperature control room)	20°±2°C	Voltage	220 vac±10%
Temperature gradient (time)	1°C /h	Frequency	50/60 Hz±1%
Temperature gradient (time)	2°C /24h	Electric current	10A
Temperature gradient (space)	1°C /m	Power	2.5kw
Air source requirement		Electrical equipment requires reliable grounding: grounding resistance is less than 4 ohms	
Min. air supply pressure	0.6MPa	Humidity requirements for measuring machine room	
Air consumption	100L/min	Relative air humidity	25~75%

* The machine parameters will change due to product update, which shall be subject to the technical agreement